

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/854,731

DATE: 05/29/2001

TIME: 11:42:39

Input Set : A:\BB-1171 DIV Seq List.txt

Output Set: C:\CRF3\05292001\I854731.raw

3 <110> APPLICANT: Allen, Steve  
 4 Lee, Jian Ming  
 6 <120> TITLE OF INVENTION: Plant Protein Kinases  
 8 <130> FILE REFERENCE: BB-1171  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/854,731  
 C--> 11 <141> CURRENT FILING DATE: 2001-05-14  
 13 <150> PRIOR APPLICATION NUMBER: 60/092,438  
 W--> 14 <151> PRIOR FILING DATE: July 10, 1998  
 16 <160> NUMBER OF SEQ ID NOS: 23  
 18 <170> SOFTWARE: Microsoft Office 97

Does Not Comply  
 Corrected Diskette Needed  
 p. 2

## ERRORED SEQUENCES

1596 <210> SEQ ID NO: 23  
 1597 <211> LENGTH: 407  
 1598 <212> TYPE: PRT  
 1599 <213> ORGANISM: Arabidopsis thaliana  
 1601 <400> SEQUENCE: 23  
 1602 Met Ala Ser Leu Pro Leu Gly Pro Gln Pro His Ala Leu Ala Pro Pro  
 1603 1 5 10 15  
 1605 Leu Gln Leu His Asp Gly Asp Ala Leu Lys Arg Arg Pro Glu Leu Asp  
 1606 20 25 30  
 1608 Ser Asp Lys Glu Met Ser Ala Ala Val Ile Glu Gly Asn Asp Ala Val  
 1609 35 40 45  
 1611 Thr Gly His Ile Ile Ser Thr Thr Ile Gly Gly Lys Asn Gly Glu Pro  
 1612 50 55 60  
 1614 Lys Gln Thr Ile Ser Tyr Met Ala Glu Arg Val Val Gly Thr Gly Ser  
 1615 65 70 75 80  
 1617 Phe Gly Ile Val Phe Gln Ala Lys Cys Leu Glu Thr Gly Glu Ser Val  
 1618 85 90 95  
 1620 Ala Ile Lys Lys Val Leu Gln Asp Arg Arg Tyr Lys Asn Arg Glu Leu  
 1621 100 105 110  
 1623 Gln Leu Met Arg Pro Met Asp His Pro Asn Val Ile Ser Leu Lys His  
 1624 115 120 125  
 1626 Cys Phe Phe Ser Thr Thr Ser Arg Asp Glu Leu Phe Leu Asn Leu Val  
 1627 130 135 140  
 1629 Met Glu Tyr Val Pro Glu Thr Leu Tyr Arg Val Leu Arg His Tyr Thr  
 1630 145 150 155 160  
 1632 Ser Ser Asn Gln Arg Met Pro Ile Phe Tyr Val Lys Leu Tyr Thr Tyr  
 1633 165 170 175  
 1635 Gln Ile Phe Arg Gly Leu Ala Tyr Ile His Thr Val Pro Gly Val Cys  
 1636 180 185 190  
 1638 His Arg Asp Val Lys Pro Gln Asn Leu Leu Val Asp Pro Leu Thr His  
 1639 195 200 205  
 1641 Gln Val Lys Leu Cys Asp Phe Gly Ser Ala Lys Val Leu Val Lys Gly  
 1642 210 215 220

## RAW SEQUENCE LISTING

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Input Set : A:\BB-1171 DIV Seq List.txt


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```

1644 Glu Pro Asn Ile Ser Tyr Ile Cys Ser Arg Tyr Tyr Arg Ala Pro Glu
1645 225                               230                               235                               240
1647 Leu Ile Phe Gly Ala Thr Glu Tyr Thr Ala Ser Ile Asp Ile Trp Ser
1648                               245                               250                               255
1650 Ala Gly Cys Val Leu Ala Glu Leu Leu Leu Gly Gln Pro Leu Phe Pro
1651                               260                               265                               270
1653 Gly Glu Asn Ser Val Asp Gln Leu Val Glu Ile Ile Lys Val Leu Gly
1654                               275                               280                               285
1656 Thr Pro Thr Arg Glu Glu Ile Arg Cys Met Asn Pro Asn Tyr Thr Asp
1657 290                               295                               300
1659 Phe Arg Phe Pro Gln Ile Lys Ala His Pro Trp His Lys Val Phe His
1660 305                               310                               315                               320
1662 Lys Arg Met Pro Pro Glu Ala Ile Asp Leu Ala Ser Arg Leu Leu Gln
1663                               325                               330                               335
1665 Tyr Ser Pro Ser Leu Arg Cys Thr Ala Leu Glu Ala Cys Ala His Pro
1666                               340                               345                               350
1668 Phe Phe Asn Glu Leu Arg Glu Pro Asn Ala Arg Leu Pro Asn Gly Arg
1669                               355                               360                               365
1671 Pro Leu Pro Pro Leu Phe Asn Phe Lys Gln Glu Leu Gly Gly Ala Ser
1672 370                               375                               380
1674 Met Glu Leu Ile Asn Arg Leu Ile Pro Glu His Val Arg Arg Gln Met
1675 385                               390                               395                               400
1677 Ser Thr Gly Leu Gln Asn Ser
1678                               405

```

E--&gt; 1681 6


Delete numeral at the end of  
the file. It is causing an invalid  
amino acid count for sequence  
# 23.

## VERIFICATION SUMMARY

DATE: 05/29/2001

PATENT APPLICATION: US/09/854,731

TIME: 11:42:41

Input Set : A:\BB-1171 DIV Seq List.txt

Output Set: C:\CRF3\05292001\I854731.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:14 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:60 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1  
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:61 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1  
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:83 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2  
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:311 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:312 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:313 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:314 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:315 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:320 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:356 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6  
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:359 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6  
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:362 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6  
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:365 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6  
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:371 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6  
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:404 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7  
L:404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:435 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8  
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:438 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8  
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:629 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:632 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:634 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:635 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:637 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:690 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12

## VERIFICATION SUMMARY

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DATE: 05/29/2001

TIME: 11:42:41

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Output Set: C:\CRF3\05292001\I854731.raw

L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:696 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
L:696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:699 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
L:699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:702 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:708 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:765 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:766 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:767 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:768 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:852 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14  
L:852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:887 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:1681 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:23